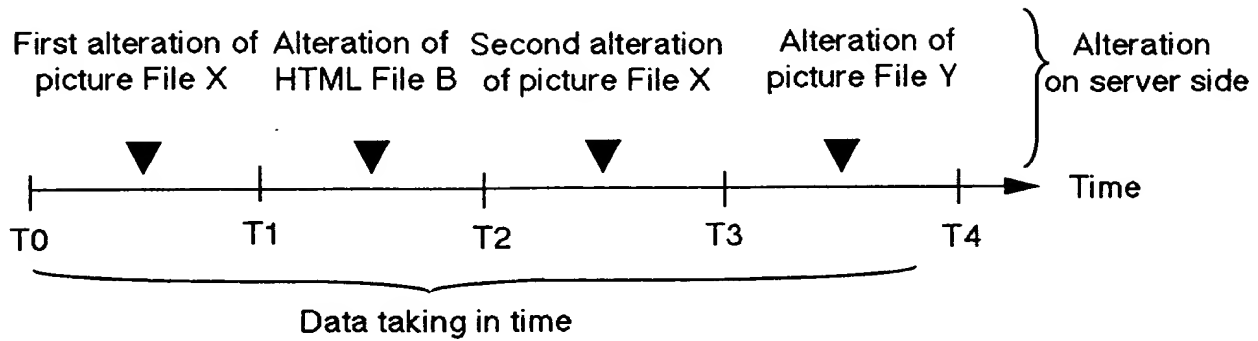
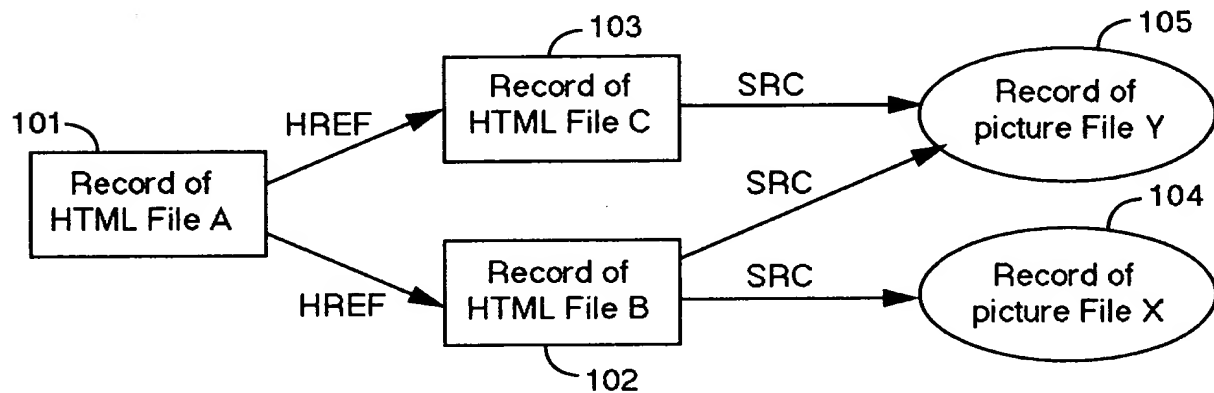


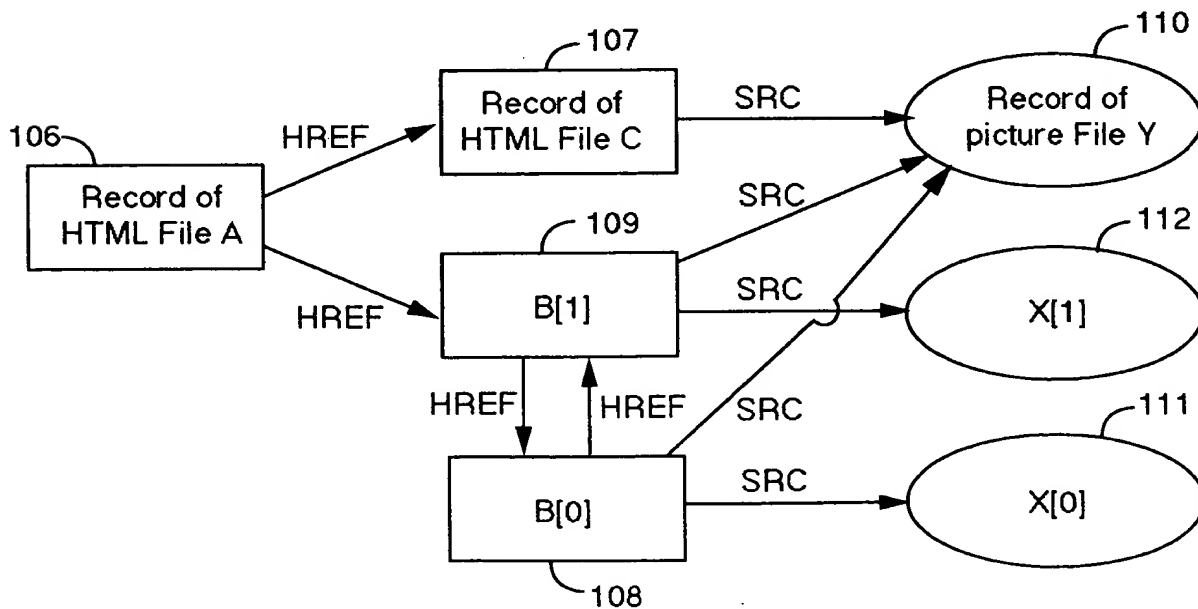
Fig.1



(a) Time series



(b) Configuration of web data record taken-in at T0



(c) Configuration of web data record taken-in at T1

Fig.2

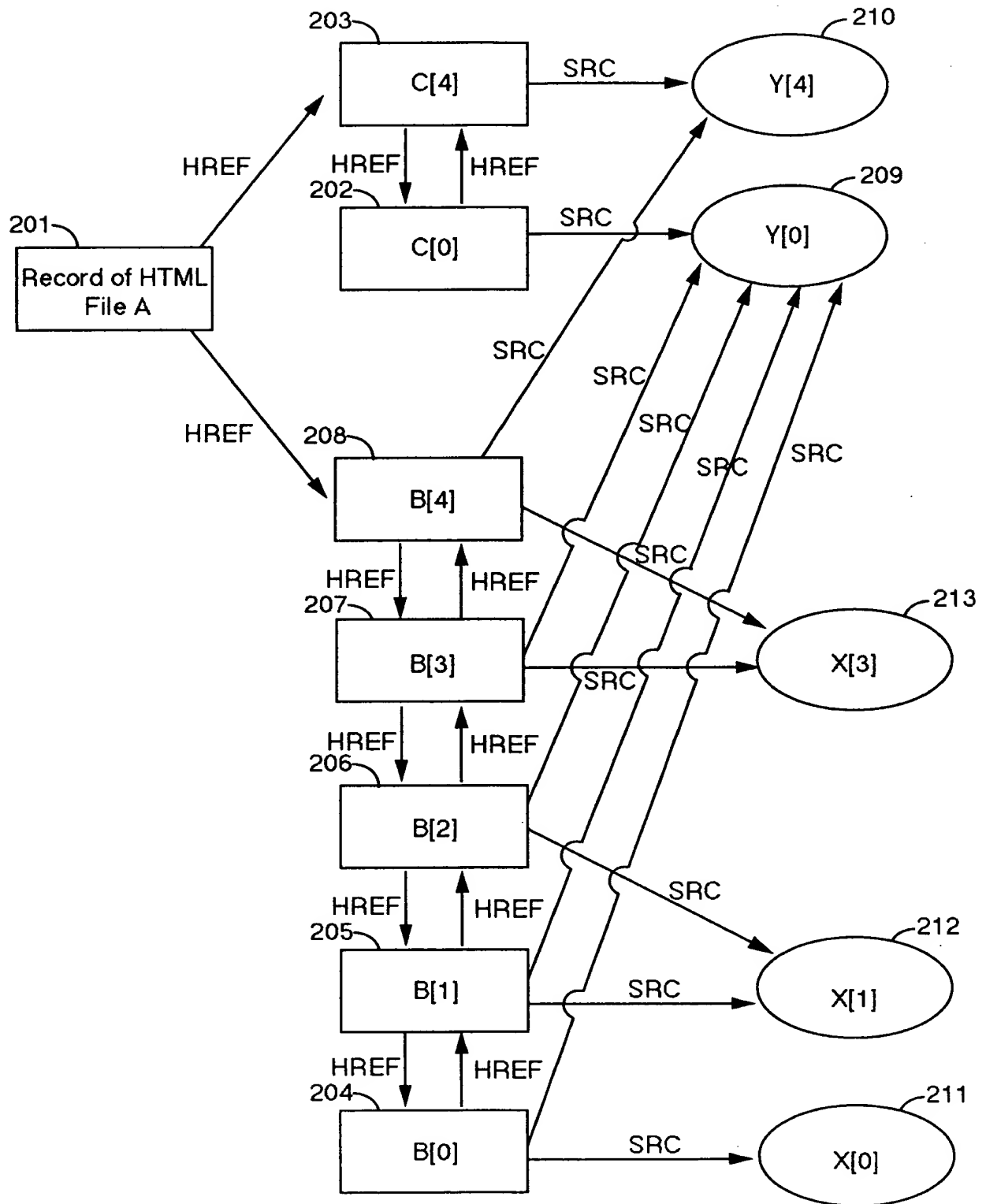


Fig.3

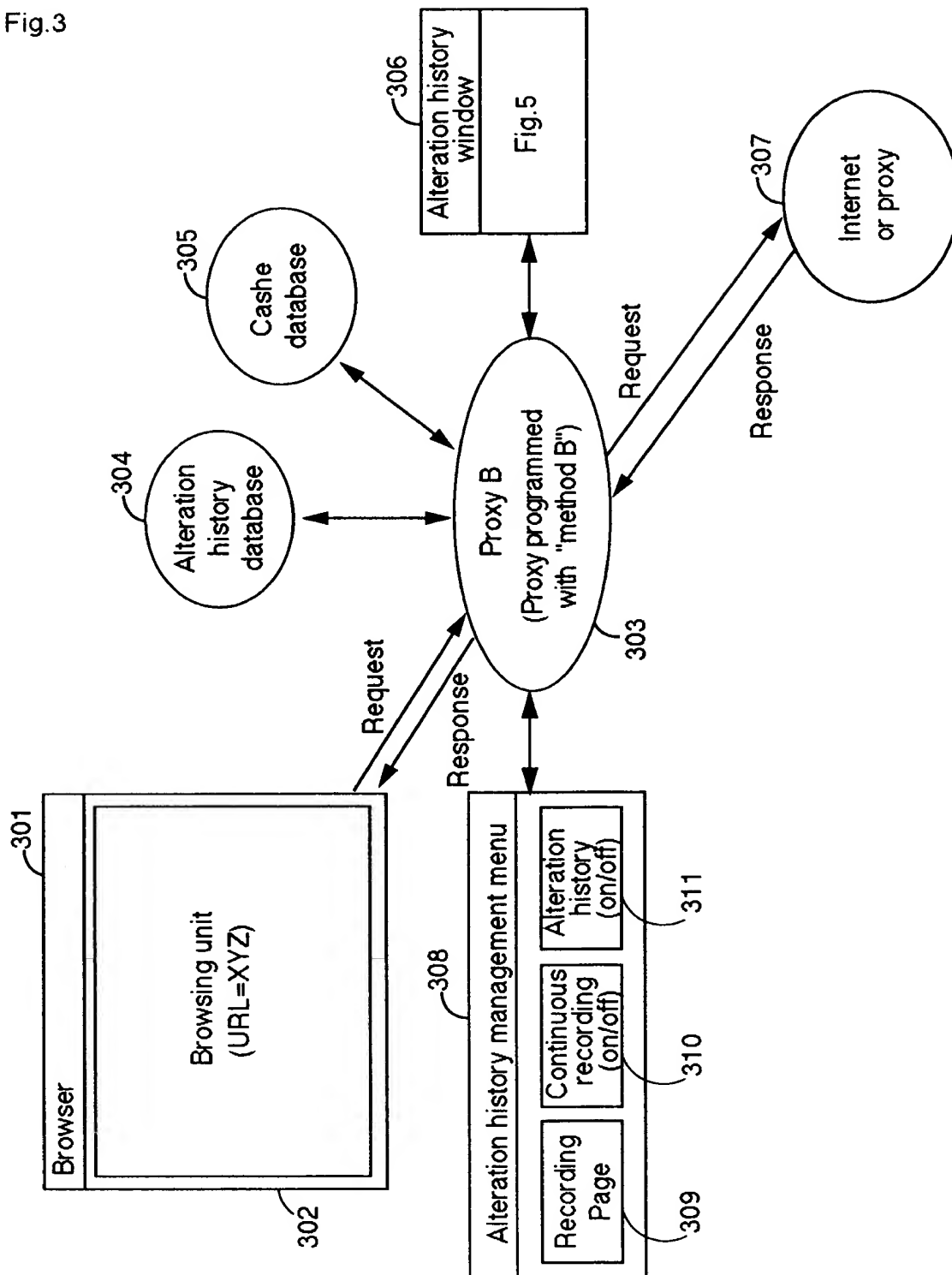
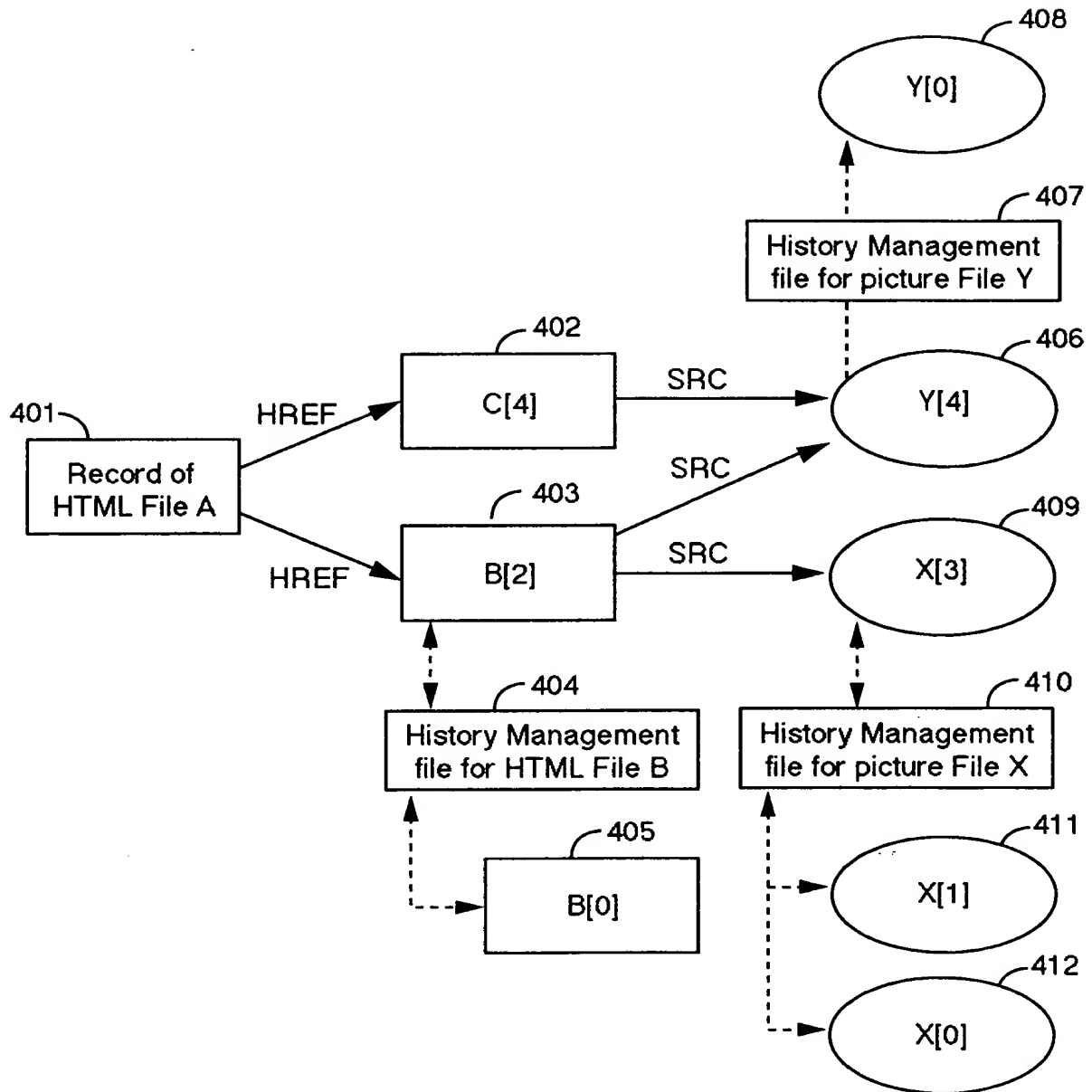
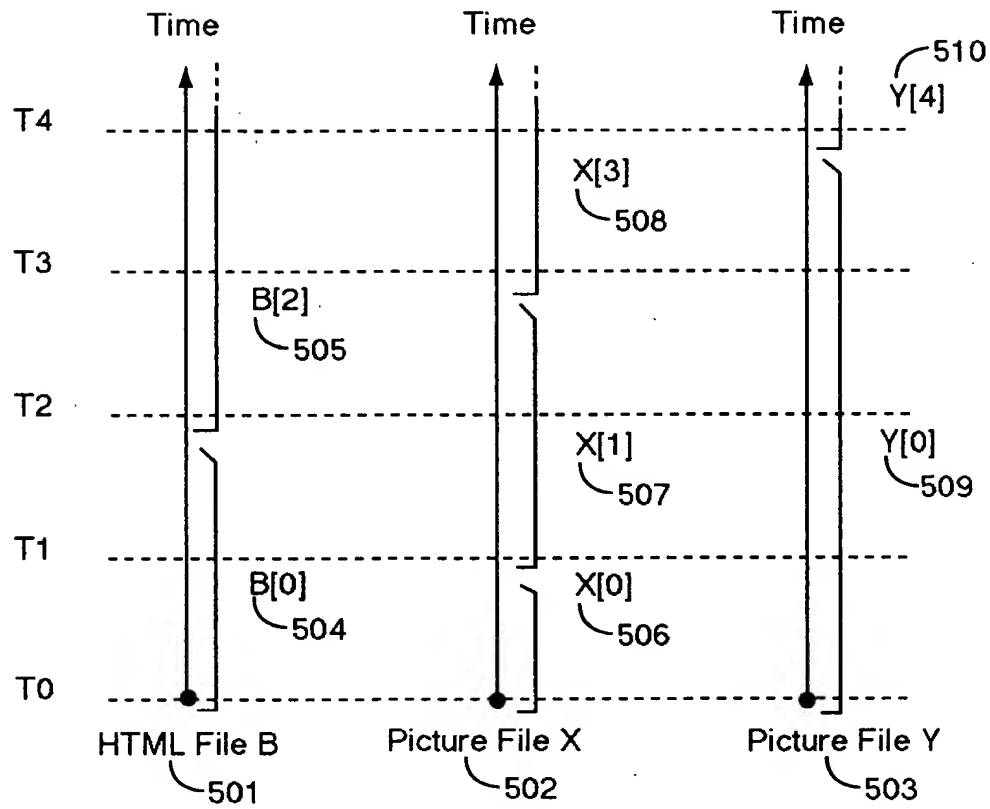


Fig.4



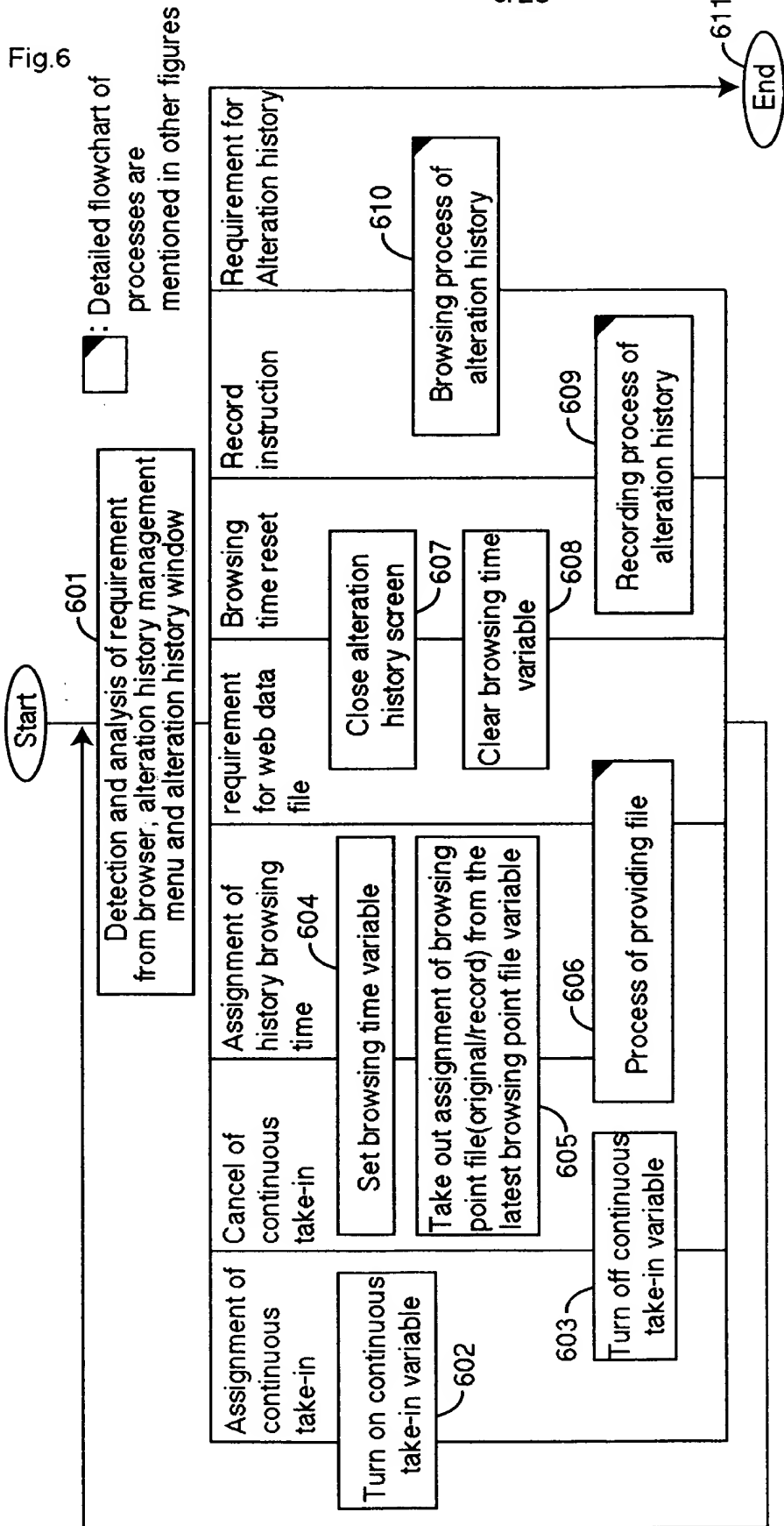
5/23

Fig. 5



6/23

Fig.6



Working variables of proxy B program

Browsing time variable

612

Continuous take-in variable

613

On/Off

The latest browsing point file variable

614

Assignment of browsing point file(original/record)

Reference file list

615

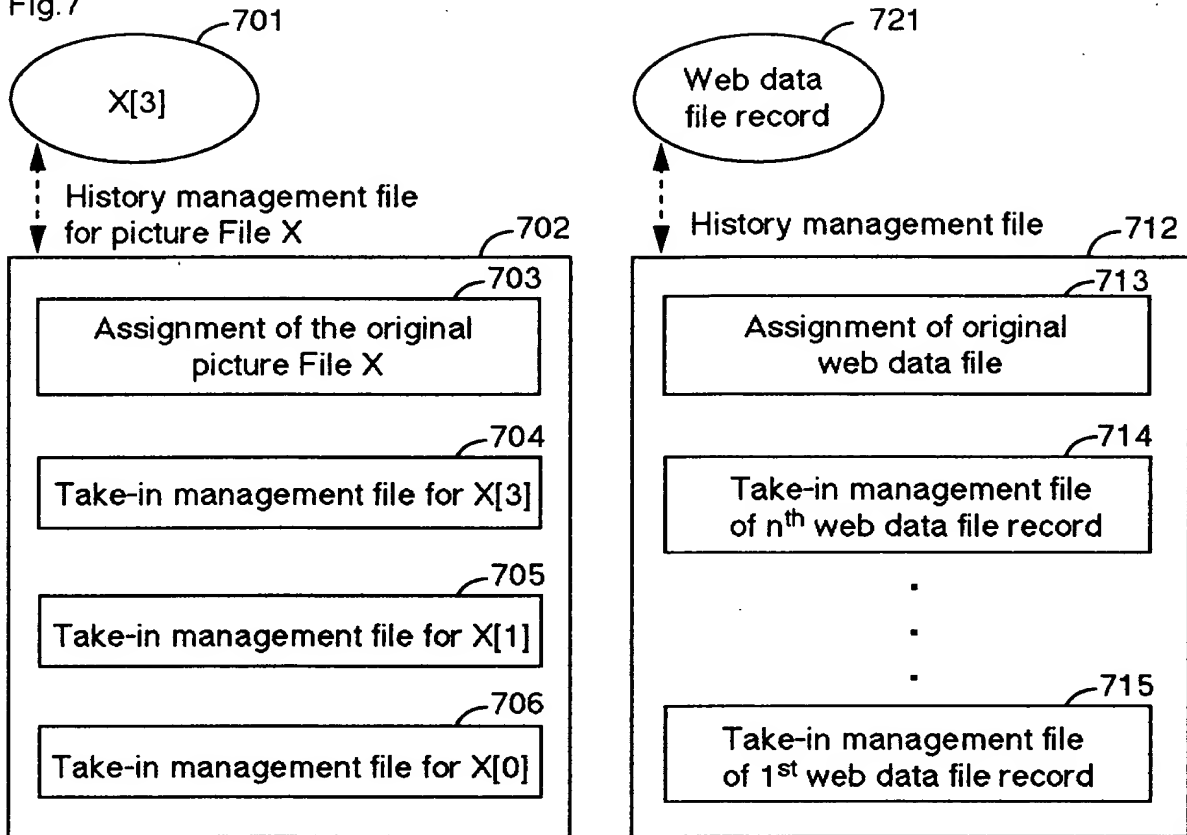
Assignment of the original material file

.

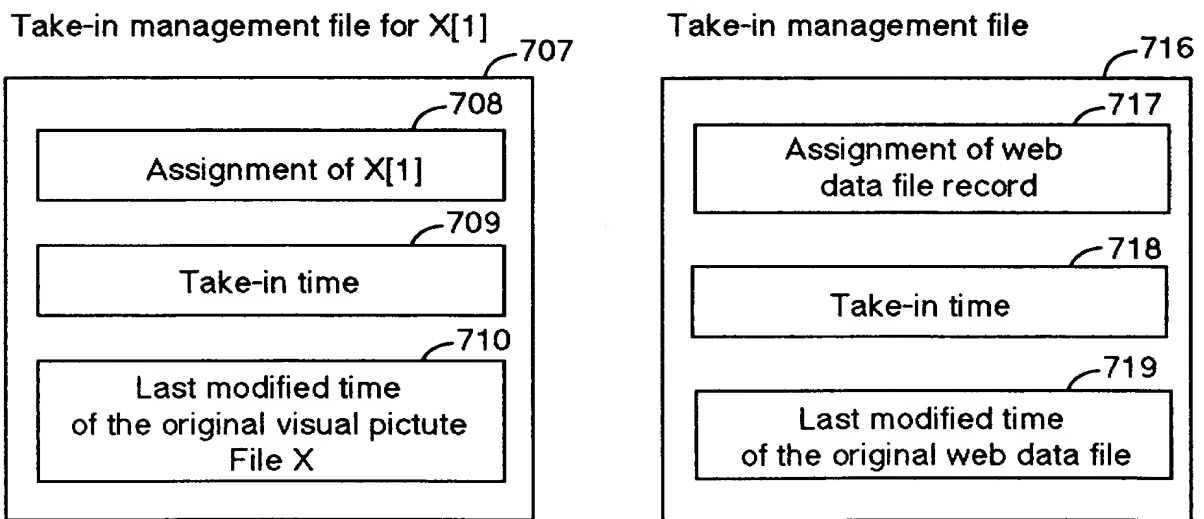
.

.

Fig.7



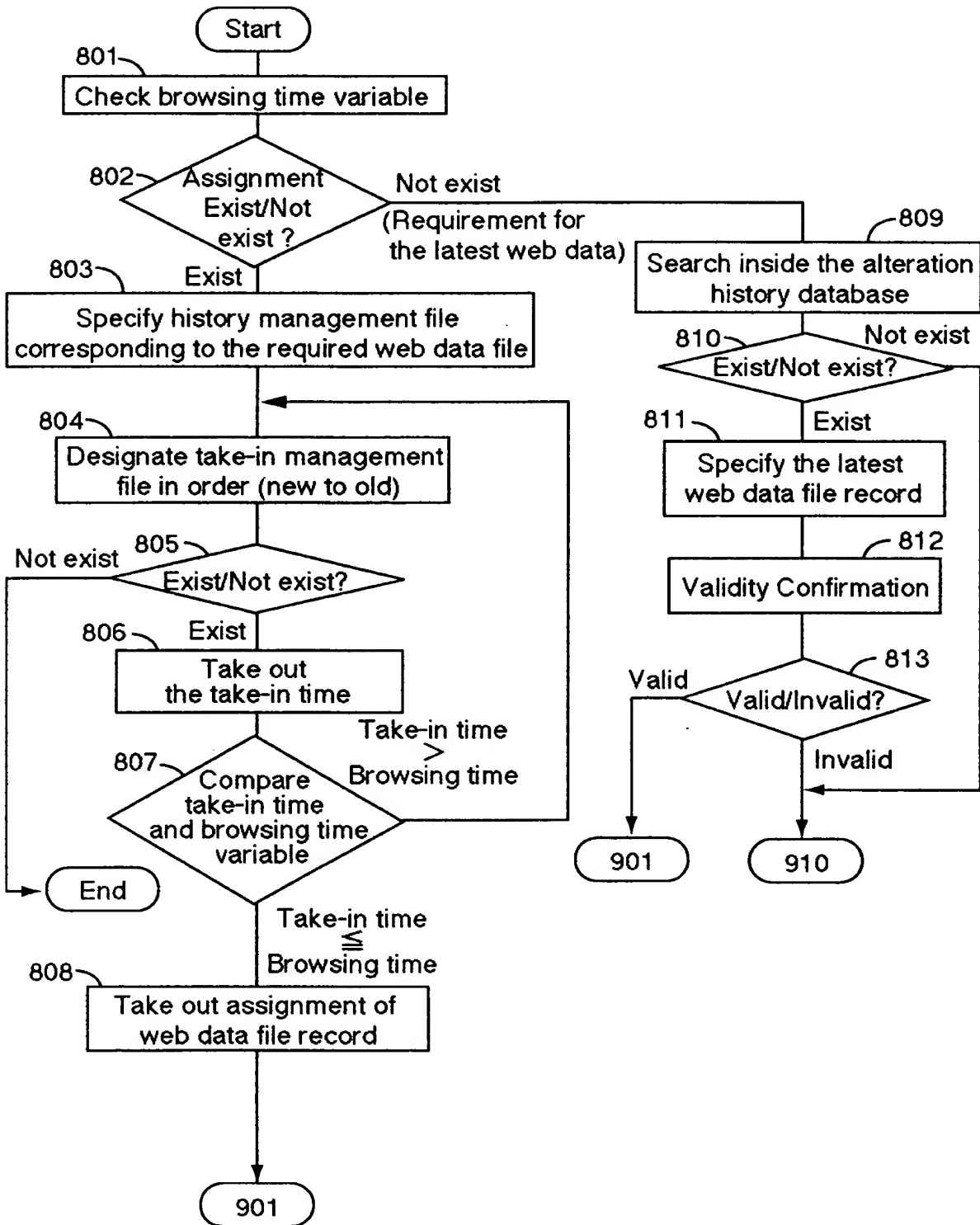
(a) Structure of history management file



(b) Structure of take-in management file

Fig.8

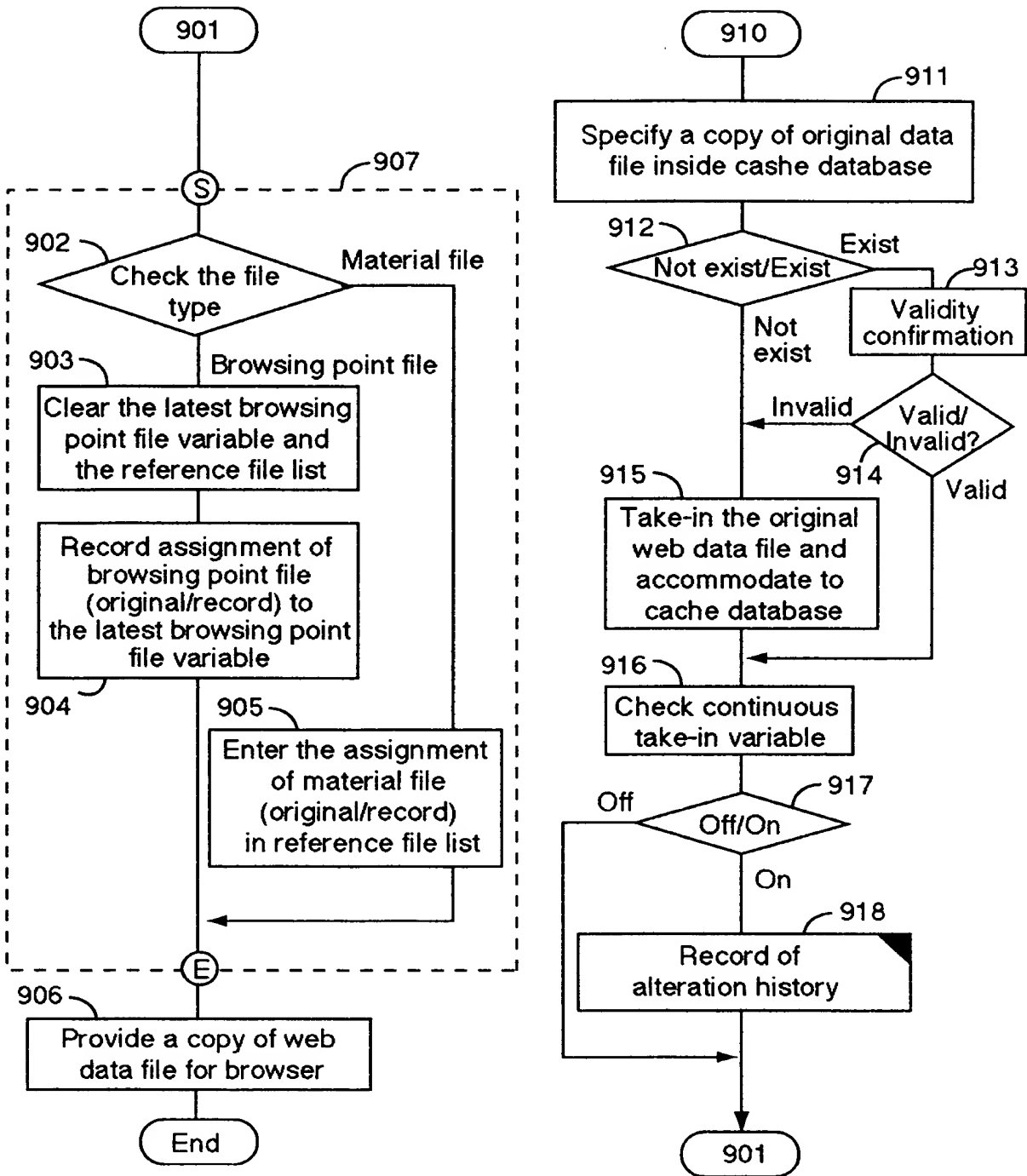
Providing file process



9/23

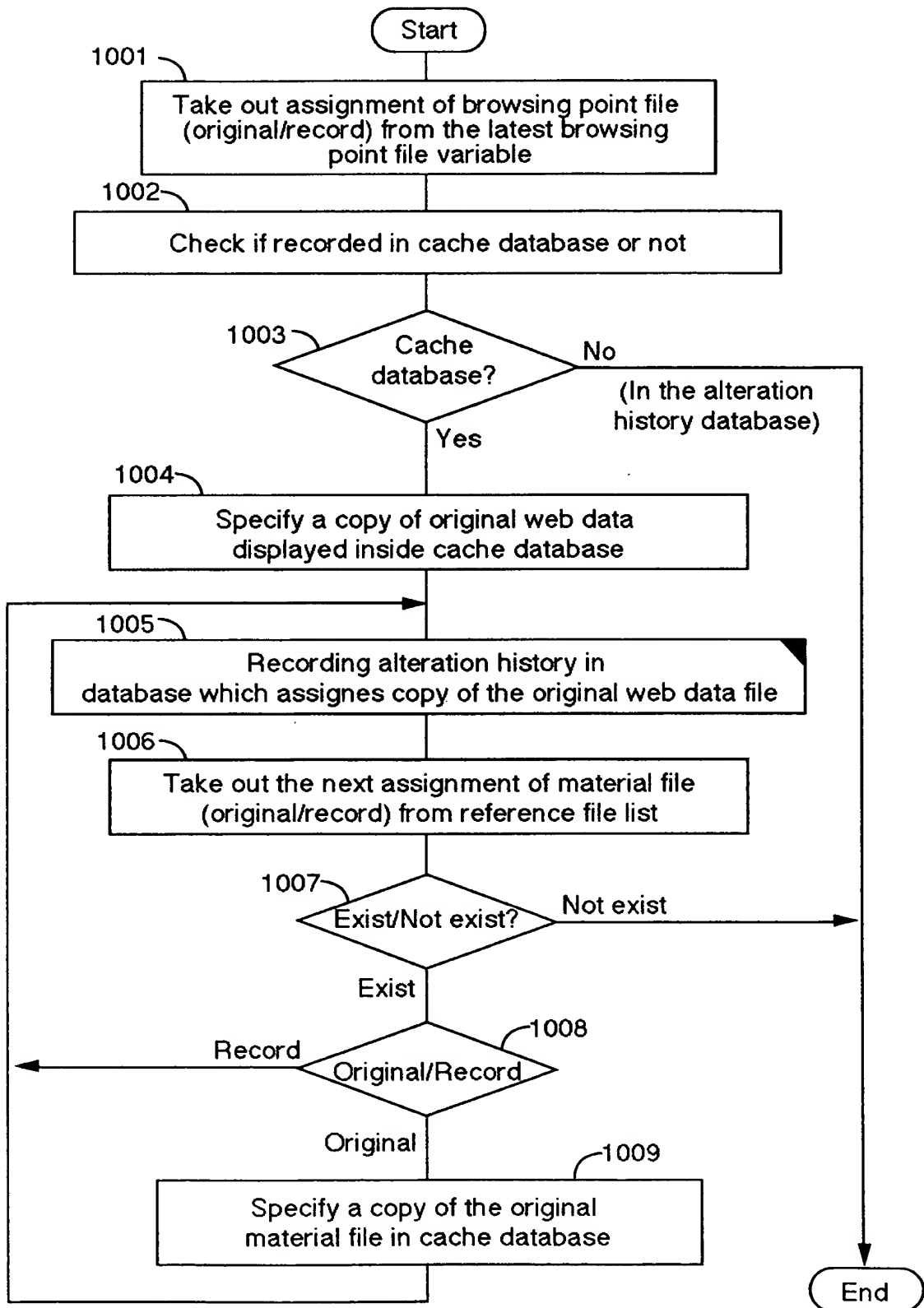
Fig.9

File providing process part 2



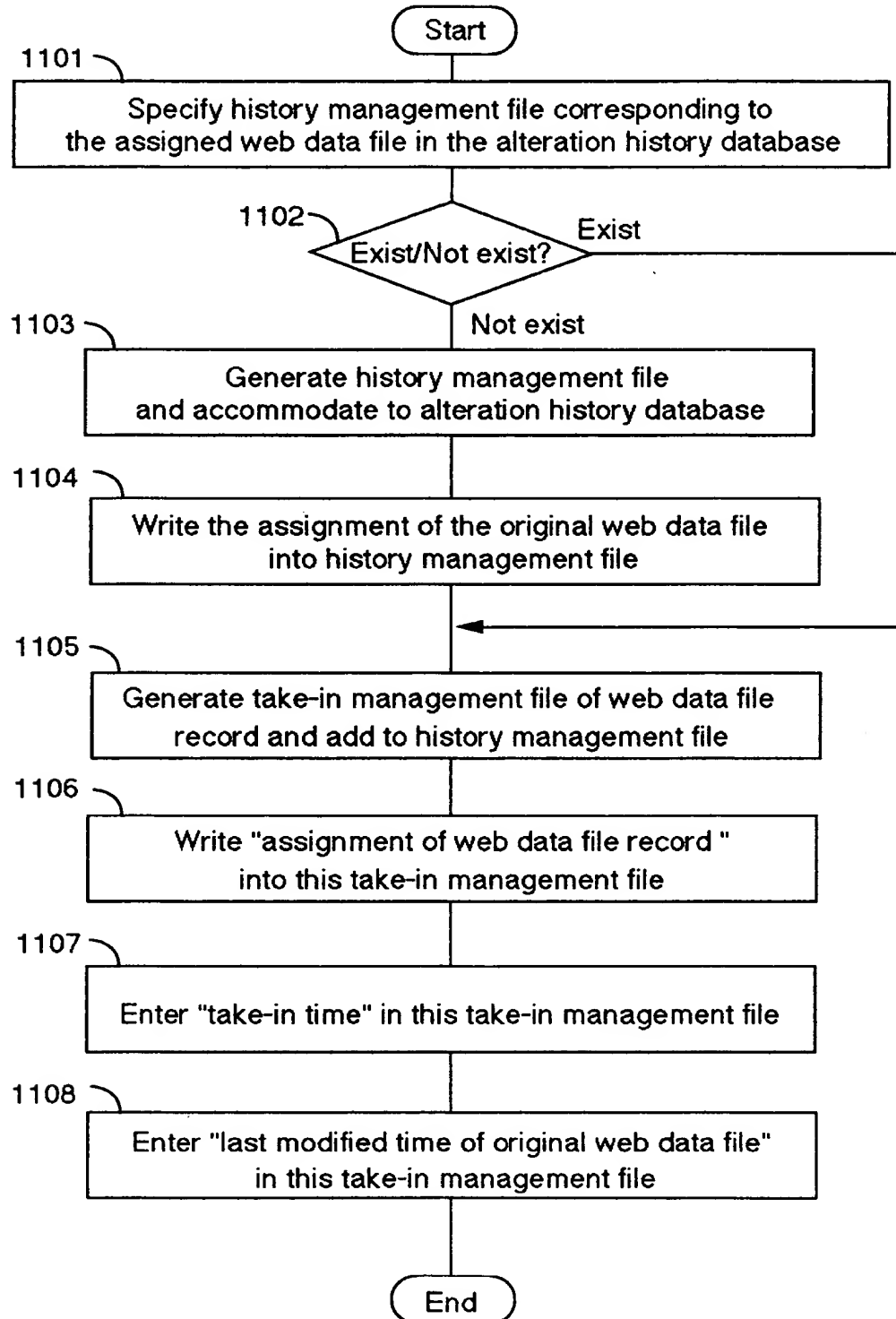
10/23

Fig.10

Recording process of alteration history

11/23

Fig.11 Recording process into alteration history database which assigned a copy of the original web data file



0943907-014201

12/23

Fig.12

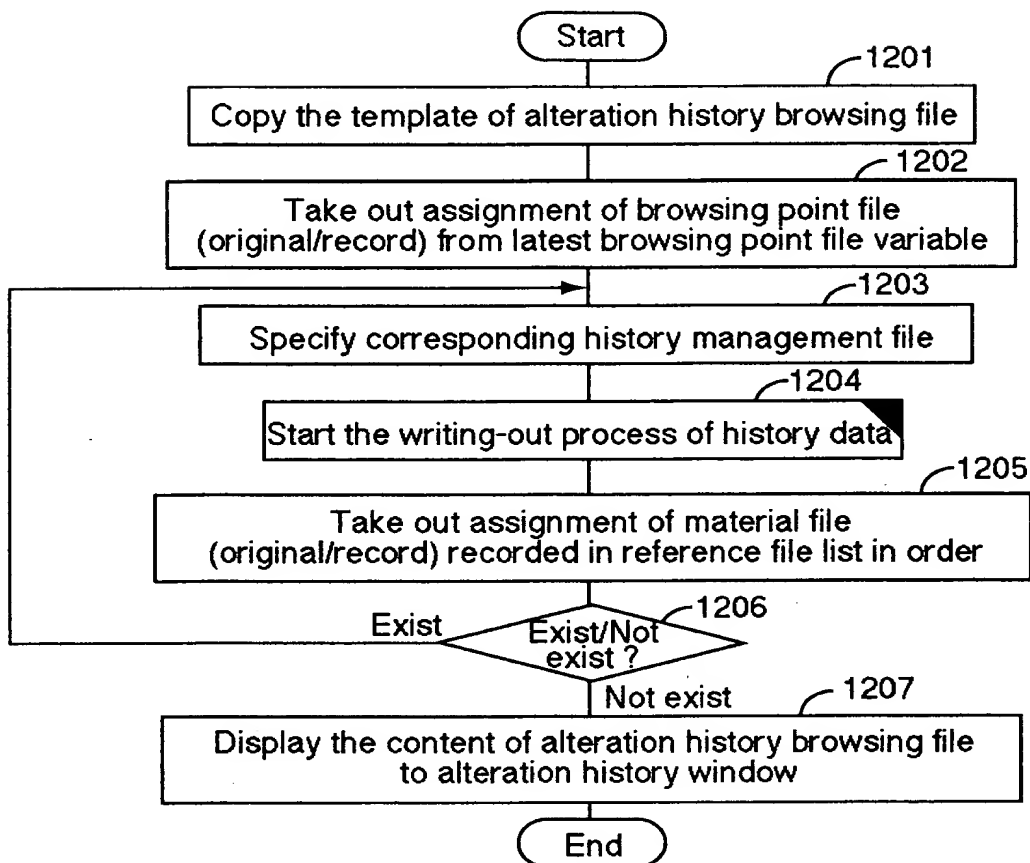
Browsing process of alteration history

Fig.13

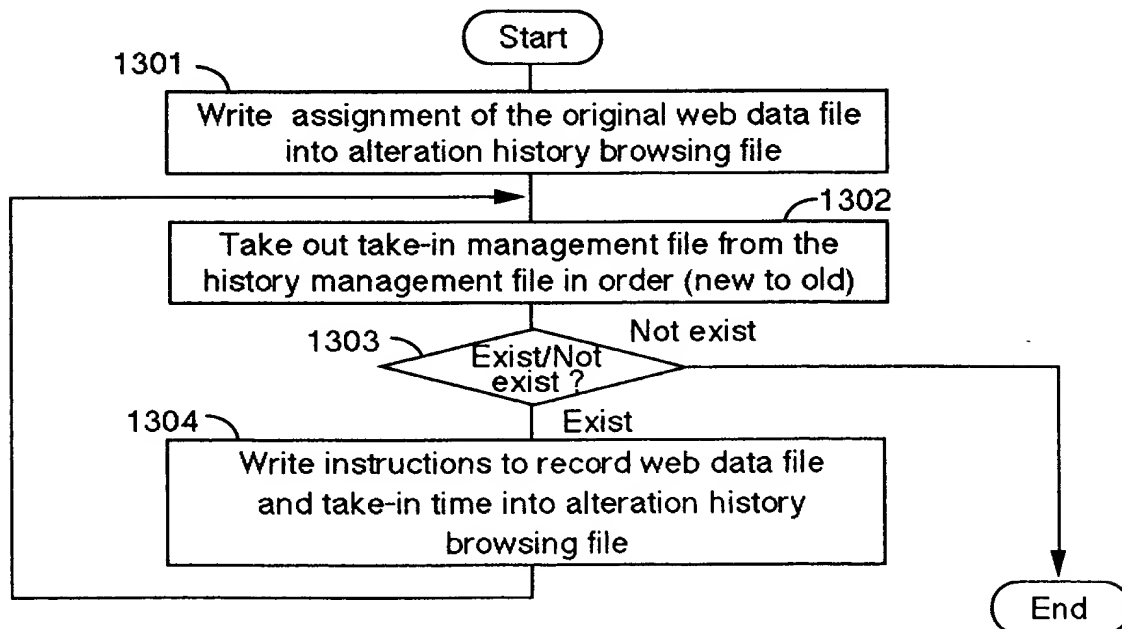
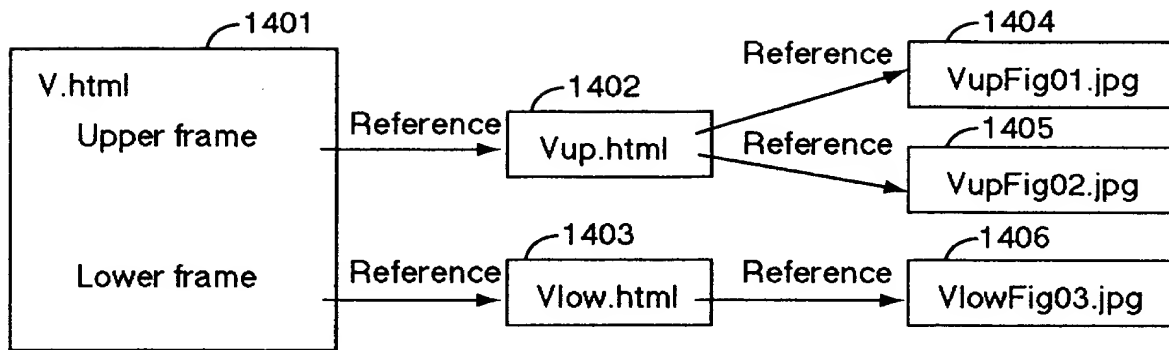
Writing-out process of history data

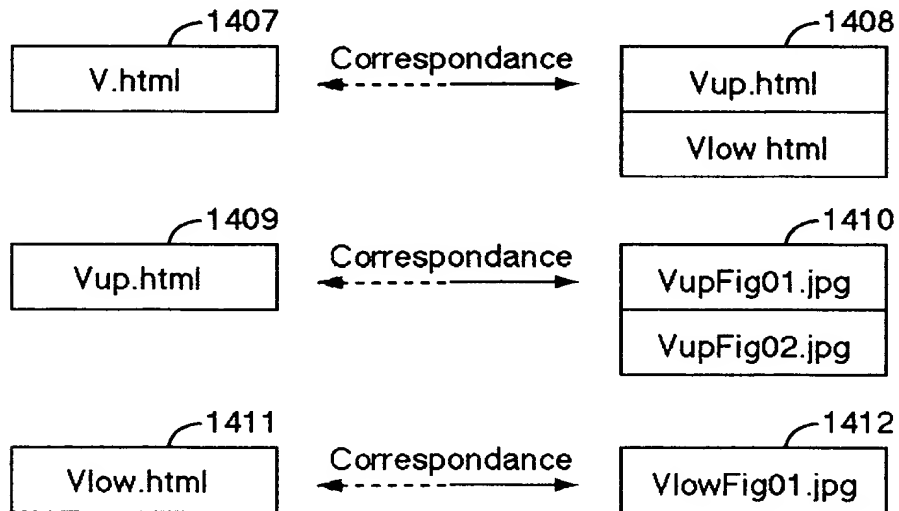
Fig.14



(a) Example of frame configuration

Lates browsing point file valuable

Reference file list



(b) State of variable in Proxy B

Fig.15

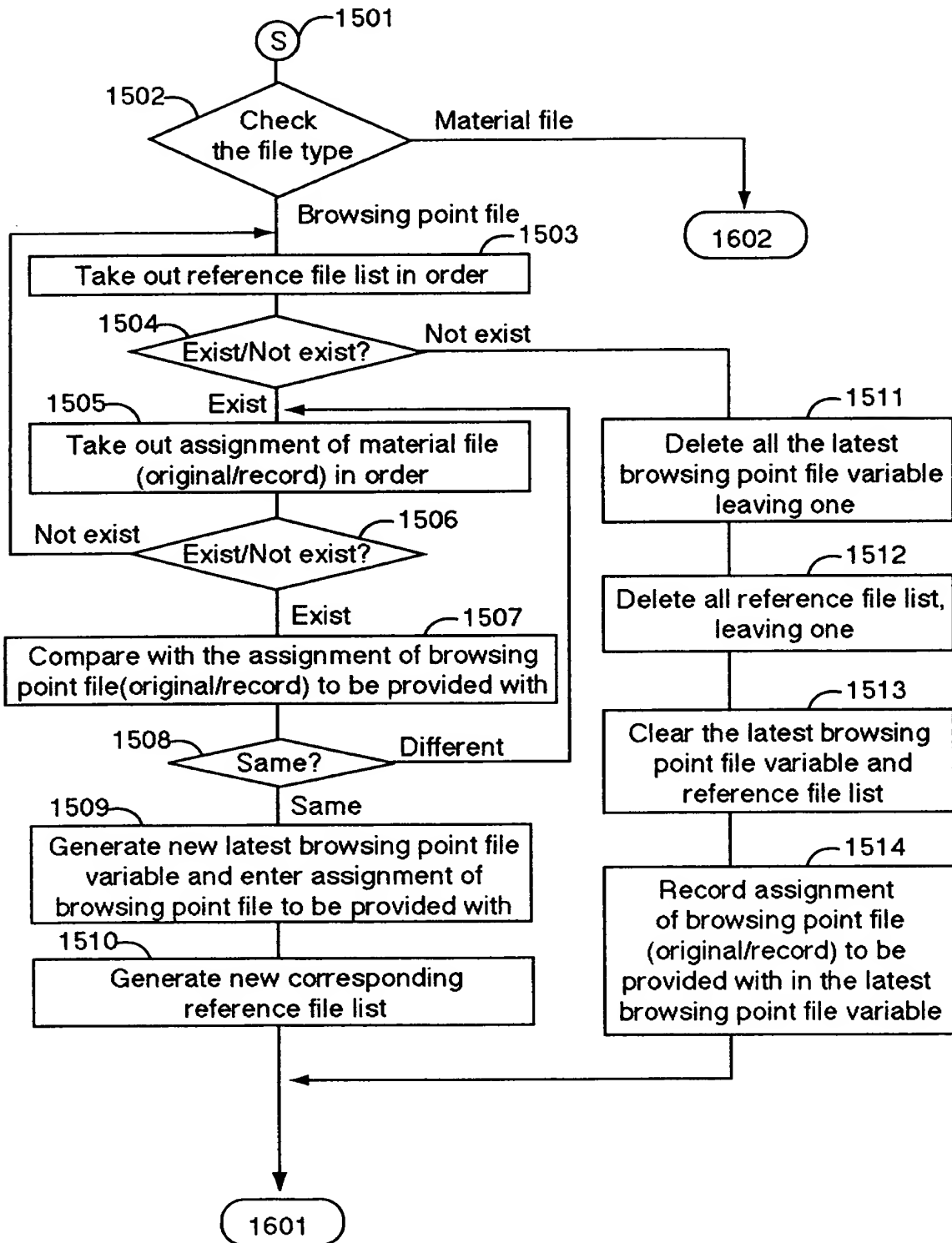


Fig.16

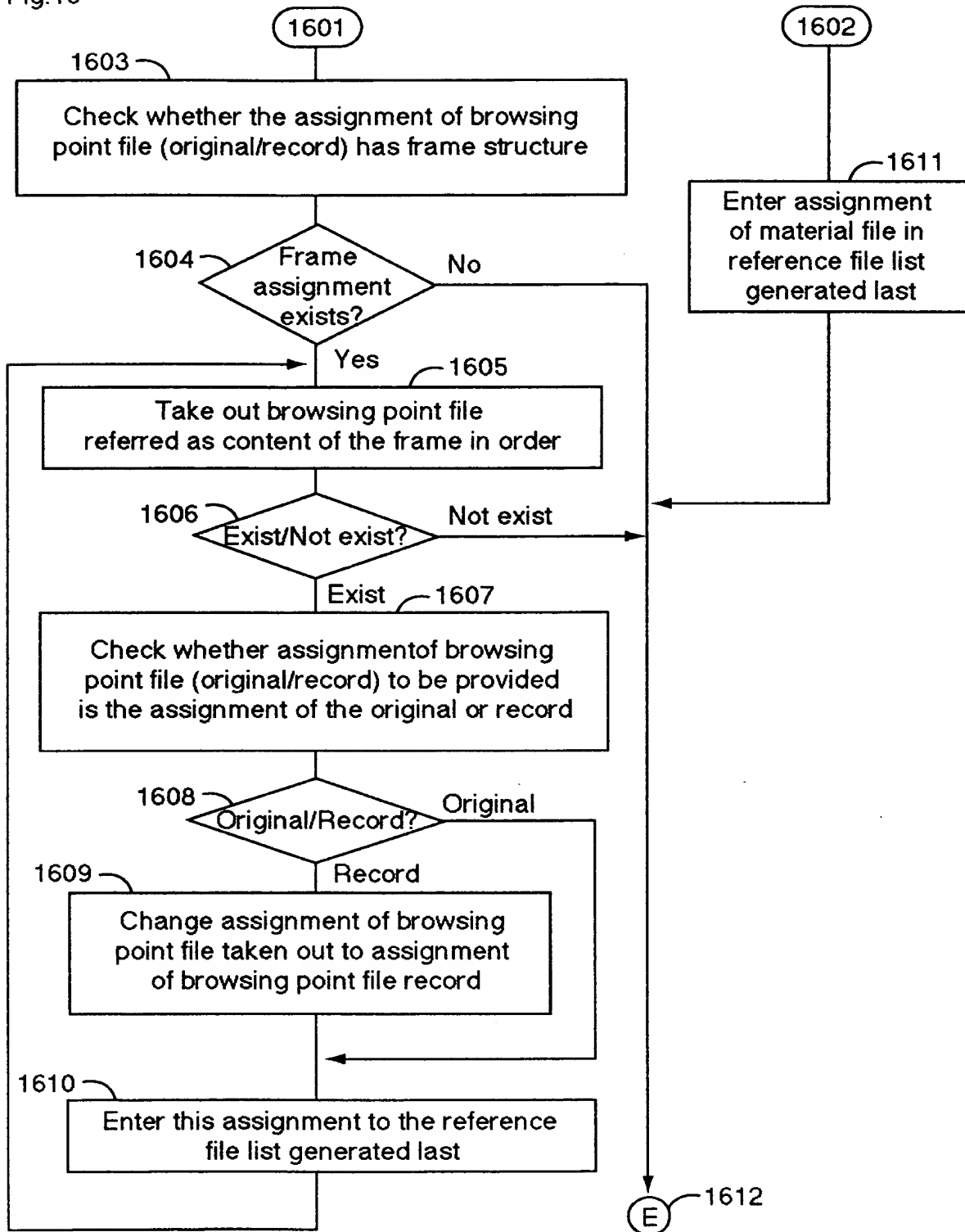


Fig.17

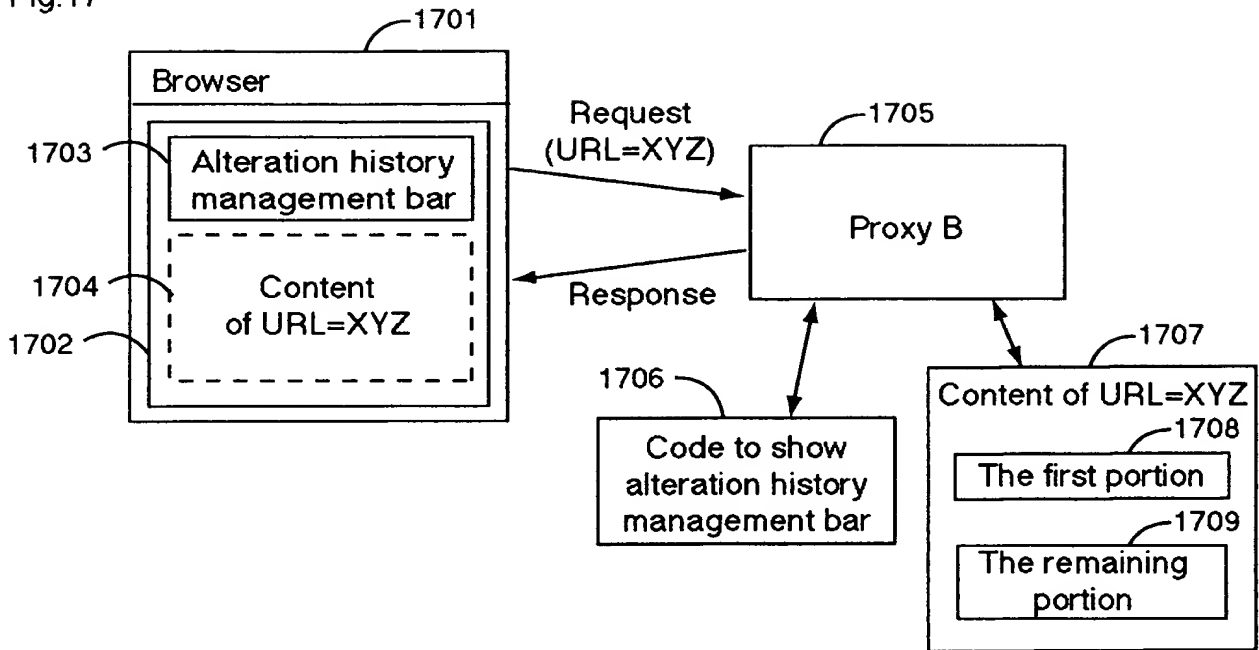
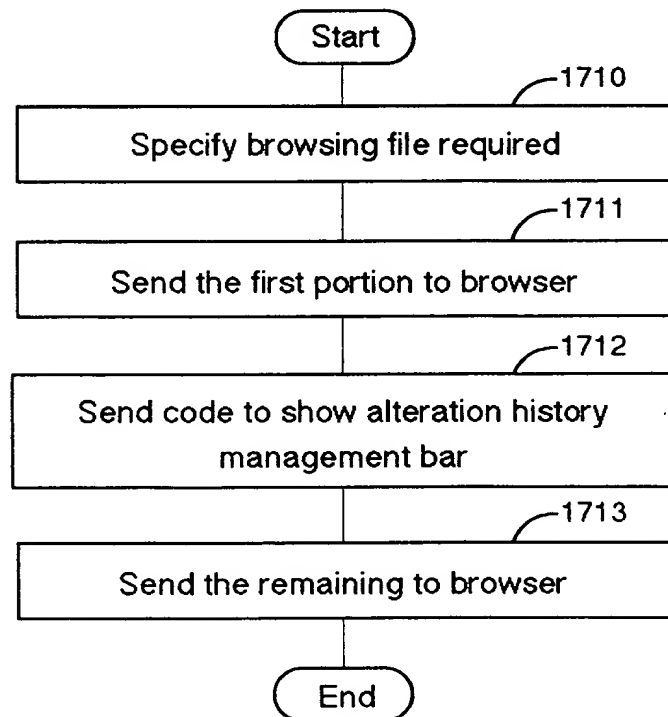
(a) Display to the browser of alteration history management bar(b) Procedure of Proxy B for browsing alteration history management bar

Fig.18

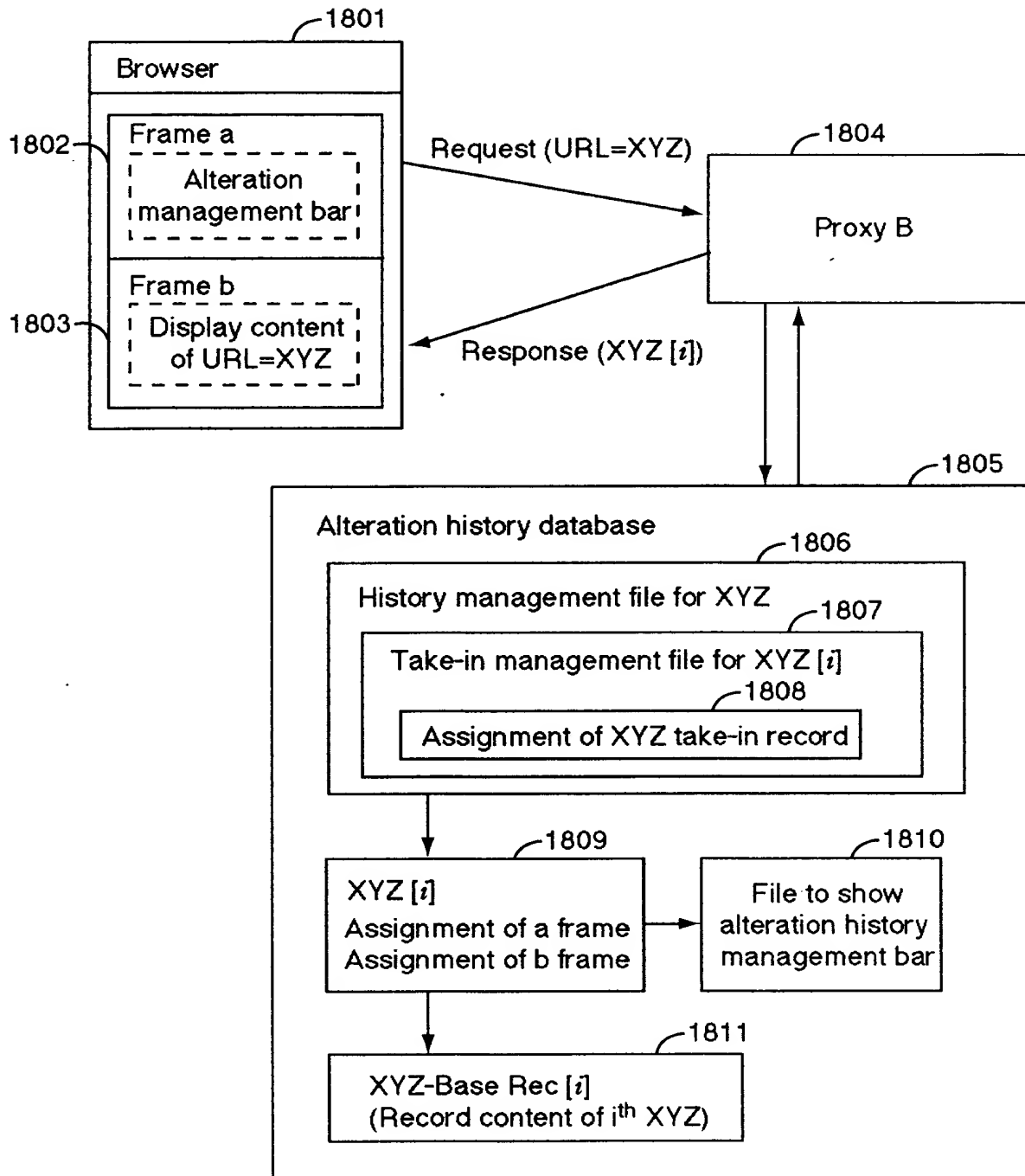


Fig.19

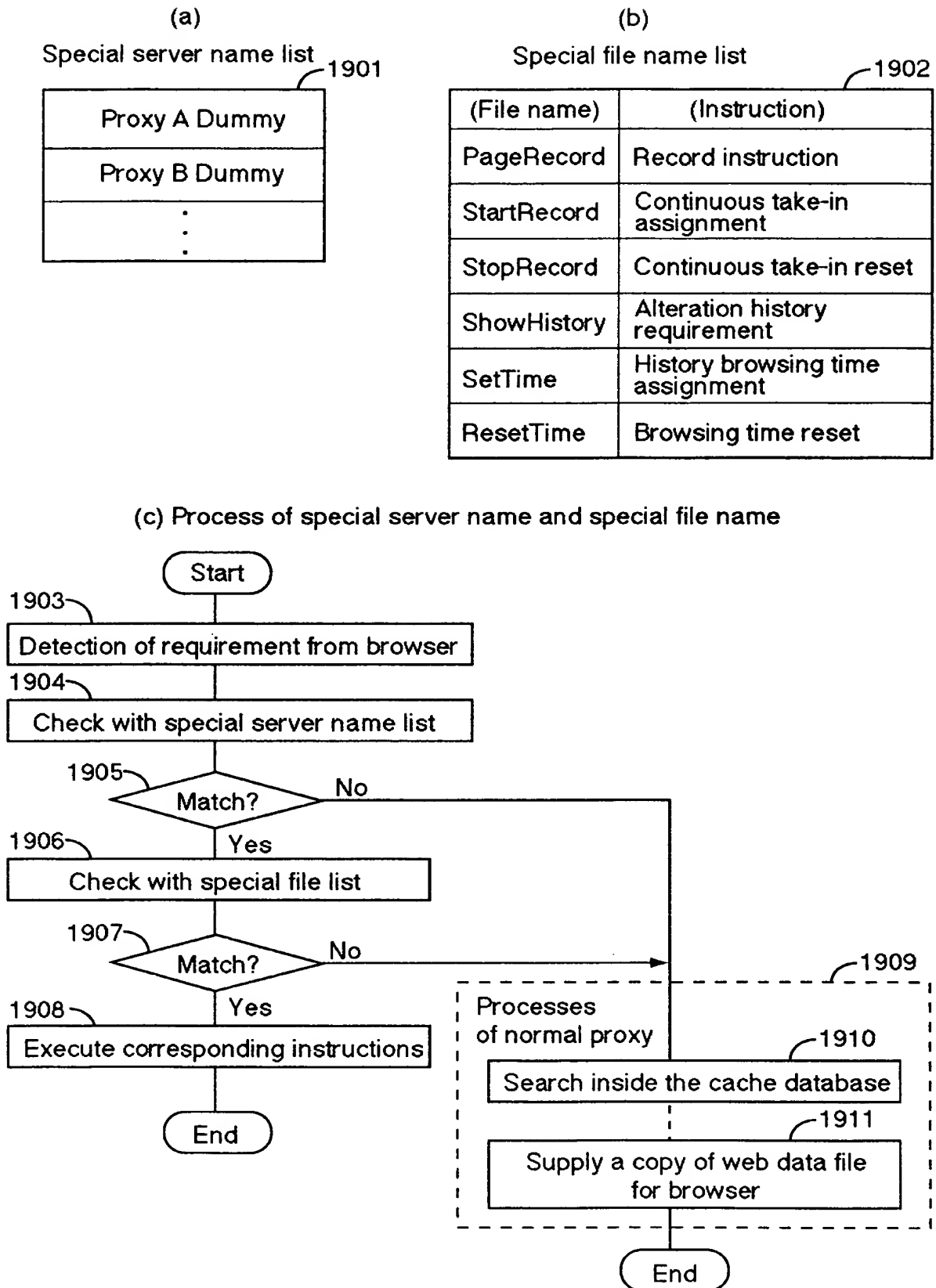


Fig.20

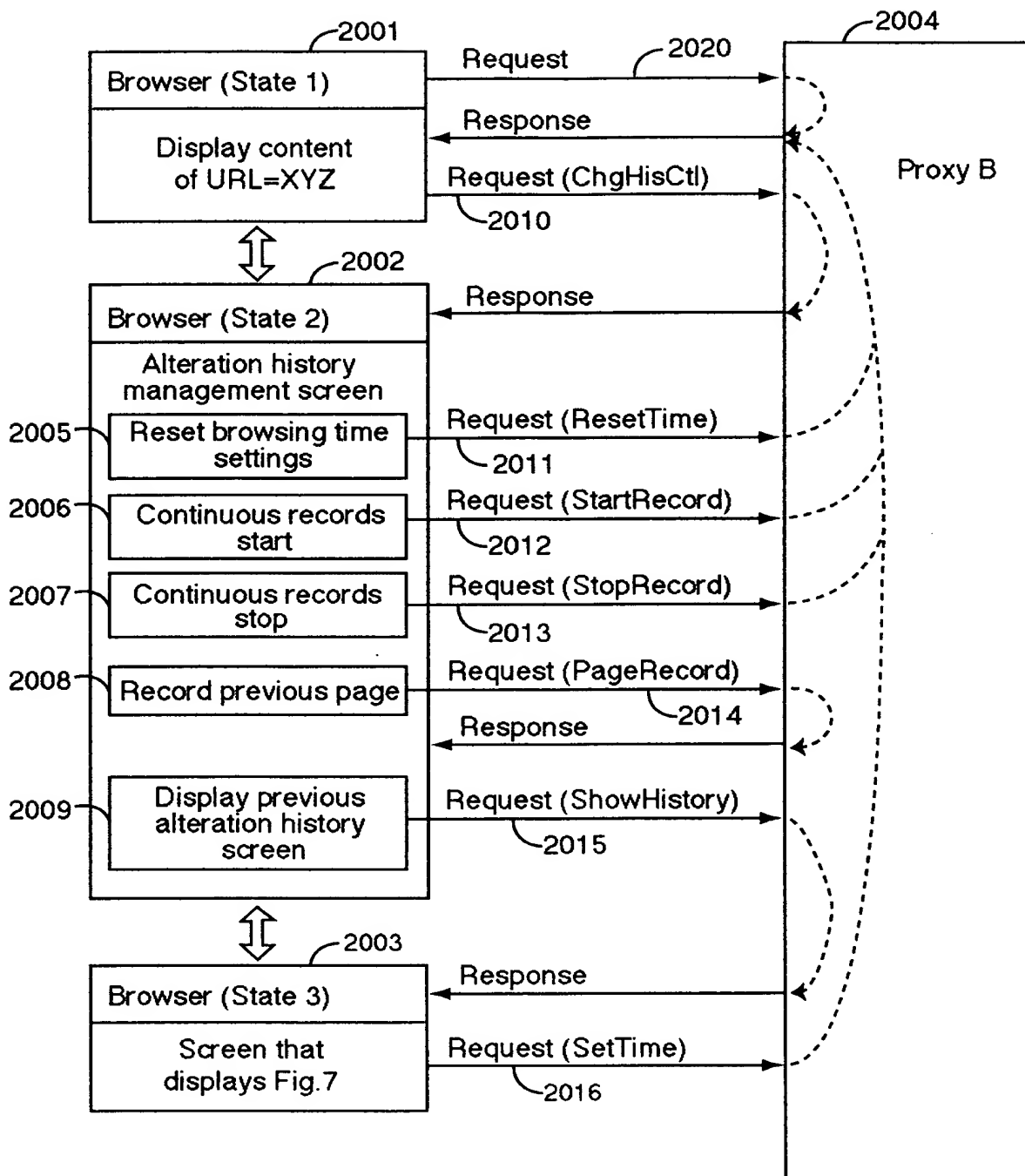


Fig.21

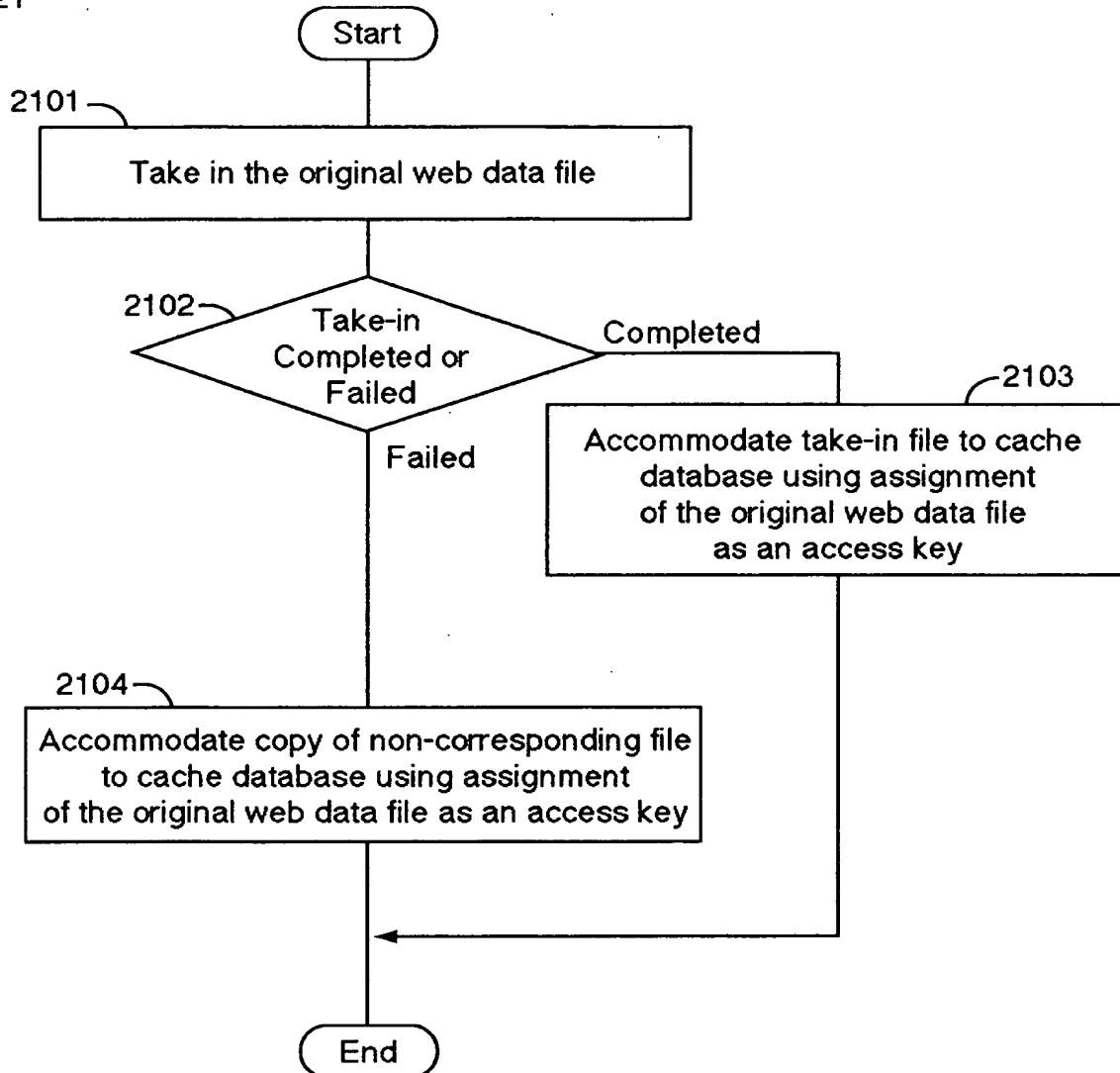


Fig.22

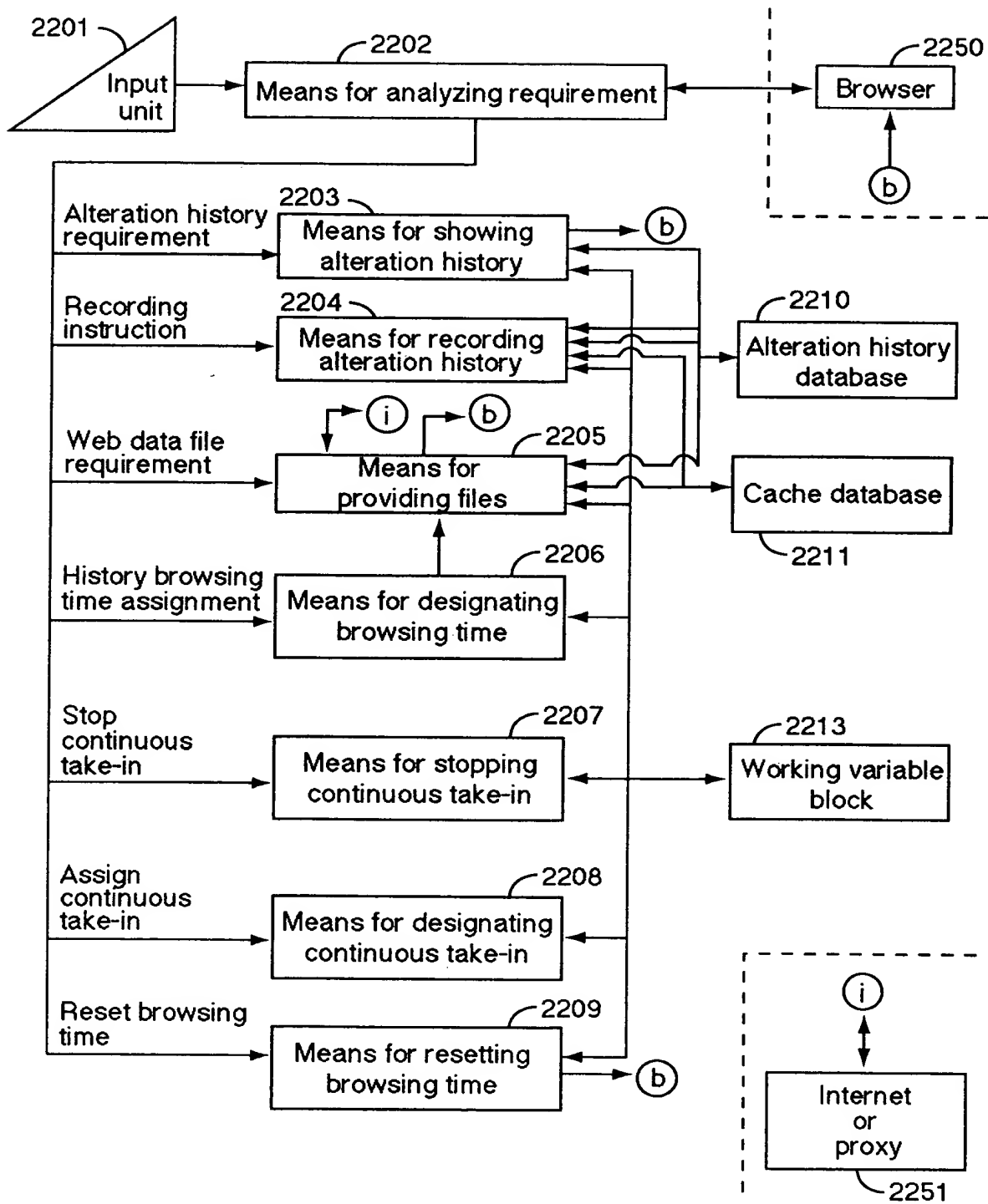


Fig.23

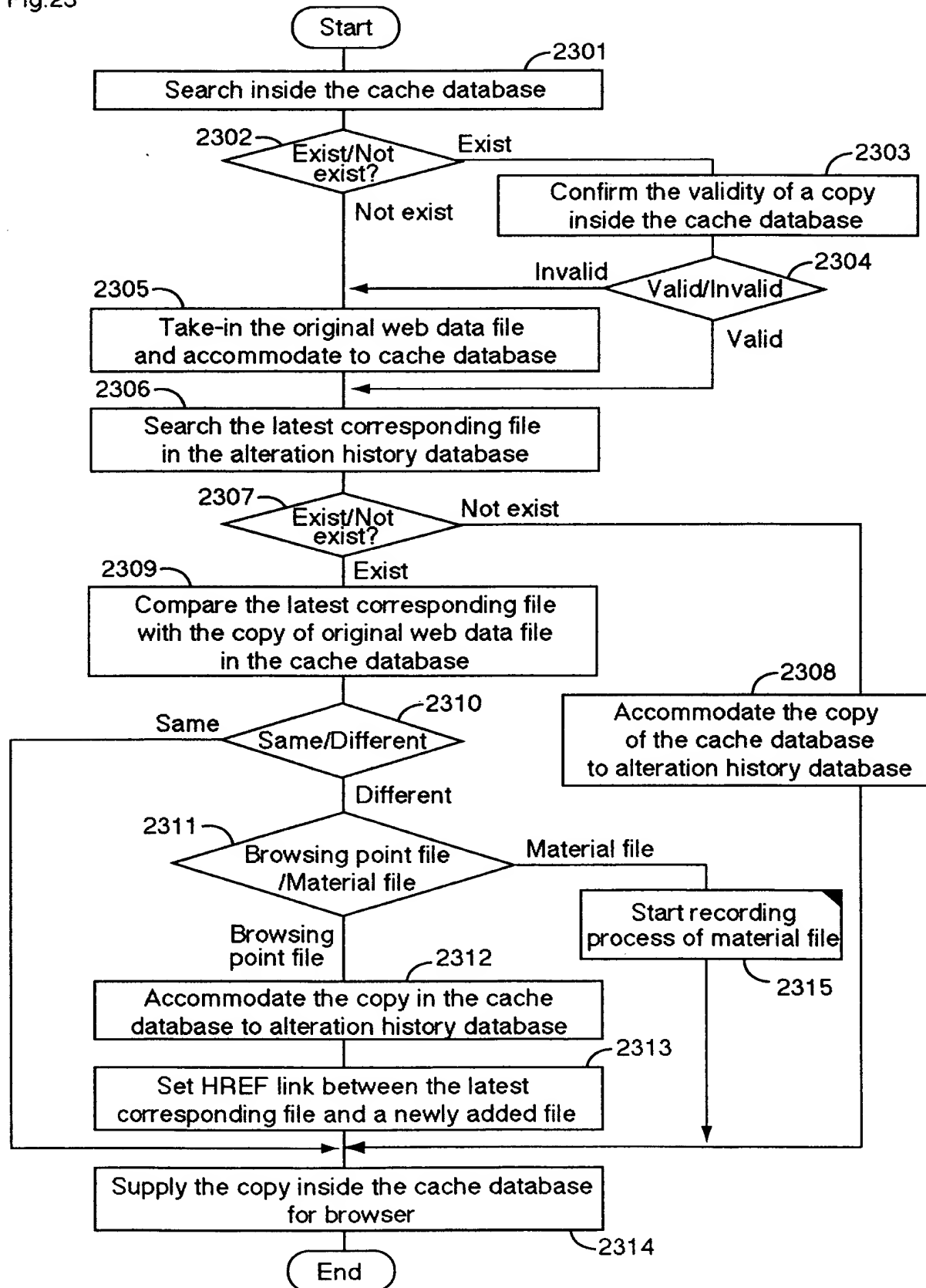


Fig.24

